The Hog Cholera Situation In Michigan.

By Professor Ward Gittuer of M. A. C.

measure robbed of its terrors. While CHOLERA INFECTION. A complete cholera is in sight, it has been clearly not be given. We understand very demonstrated, not only in Michigan poorly the nature of hog cholera virus ing states, that the loss of any concholera is due to inexcusable neglect or ignorance. It is now just as much an established fact that the Dorset-Niles hog cholera serum will prevent duced against hog cholera. This seems hog cholera in sound pigs as it is that cholera when sufficiently exposed to the infection.

Readers of the agricultural press and the experiment station publications are familiar with the methods of manufacture and the nature of hog cholera serum. It cannot be said that the laboratory workers engaged in its manufacture or the field agents engaged in its application throughout the country have met with no reverses A tale of uninterrupted successes with hog cholera serum would be at variance with the history of other biological products designed for the prevention or cure of human or animal

Farmers engaged in swine production want the truth in regard to the prevention of hog cholera by serum treatment. Briefly, then, the truth is this: Hog cholera kills a large per-



Young Hogs Thrive on Green Pasture. centage of hogs, especially young ones, by which a farmer may retain his cess. hogs safely in the presence of hog A sound, theoretical plan for state-

the Dorset-Niles method. BLOOD FROM A PIG SICK OF HOG | mean business.

OG cholers, like the poor, we have CHOLERA, WILL ACQUIRE THE always, with us, Fortunately, PROPERTY OF PROTECTING A though, it has been in large SUSCEPTIBLE PIG AGAINST HOG it cannot be said that the end of hog explanation for this phenomenon canbut in many of the foremost hog rais- and, consequently, all that pertains to hog cholera serum production. The siderable portion of the herd from above stated fact, nevertheless, is incontrovertible.

We must enlarge upon the assertion that a protective serum can be prodesirable in order to help explain why susceptible pigs will contract hog the campaign against hog choiera has not been more fruitful, since now for over two years a preventive of hog cholera has recieved such reliable en

> In the first place, the production of hog cholera serum is complicated by many difficulties. There are so many factors involved, and each so hard to control. The difficulty in getting suitable pigs for the work, and their inordinately high price, the expense of thoroughly testing all the serum before sending it out, and the frequent lack of potency of serum even when all the requirements of the process seem to have been fulfilled-these influences and others militate against the production of serum that will answer the requirements of availability, efficiency, safety, ease of application and, above all, cheapness.

Efforts made to produce a satisfactory serum or vaccine based upon radically different methods of serum application have met with discouraging results. It seems to be for the interests of the swine breeders that we continue our policy of developing and improving the hog cholera serum along the lines pursued since the inaurguration of the work. Our confidence in the efficiency of the serum has been shared by many of the most extensive swine breeders of several states.

Efforts toward rigorous testing of serum and the use of only that of high potency are expected of a public laboratory where the matter of profit is not necessarily a serious consideration. Even under the control of a public laboratory, if the bare expenses of serum production are to be met by the sale of the product, the price of the serum seems prohibitive to the average swine raiser. Our observations lead to the opinion that those in every herd attacked, unless proper who use hog cholera serum are not precautions are taken toward preven- only farmers, but very keen business tion. There is no agent that can be re- men who, having once used it in the lied upon to cure hog cholera, hence presence of danger, continue to do so PREVENTION is the ONLY ALTER- under similar circumstances. It is not NATIVE. The history of the swine in- a difficult proposition to sell a "sure dustry in both Europe and America cure" to a farmer whose mental state shows that the ordinary methods of is upset by the impending danger of quarantine, isolation and disinfection an uncontrollable plague wiping out are inadequate to meet this big prob- his capital invested in his herds. To lem-in other words, we are not yet receive, however, the repeated and unprepared to give directions that will solicited patronage of careful business surely keep hogs from contracting the men who have had ample opportunity disease through sanitary measures, to test the qualities of an expensive There is only one means known to us preventive serum is a measure of suc-

cholera, and this is by treating them wide control of hog cholera, involving with hog cholera serum prepared by the use of hog cholera serum, has been worked out by scientists interested in The Dorset-Niles serum, as made by the problem. Whether such a plan the various state laboratories, is a should be given a practical test with preparation based upon scientific prin- state aid and supervision is a subject ciples. IT IS A FACT THAT THE for the livestock men of the state to BLOOD OF AN IMMUNE PIG, THAT consider. Those engaged in studying HAS BEEN PROPERLY TREATED the disease are ever ready to co-oper-WITH A SUFFICIENT VOLUME OF ate when the farmers themselves

CULLOM STAR IN LORIMER FIGHT

Flood of Messages Going to the Senior Senator.

LEN SMALL ENGINEERS COUP A. A. For PEVERS, Milk Pever, Lung Pever,

Senator Cullom Believed To Be the Man Who Will Decide the Fate of Lorimer When the Senate Takes Vote.

Springfield, Ill., Feb. 15 .- Senator Shelby M. Cuilom, figured on the assumption that his vote in the senate will decide the fate of his colleague, William Lorimer, is the center of a movement which friends of the senator declare may drive him to his grave A deluge of letters, telegrams and personal messages has been started from the state capital, his old home, and

the state capital, his old home, and through all his career the political headquarters of Senator Cullom, to insure the vote on Lorimer.

Premature revelation of the plan, which is said to have been quietly engineered by Mr. Lorimer's friends to influence Senator Cullom to vote for Lorimer aroused the anti-Lorimer element in the legislature, with the result that the senior senator is between two fires from his home state.

January in the year one thousand nine a undred and eleven.

Present, Matthew Bush Judge of Probate. In the matter of the estate of Elia M. W. McGuneas, decease.

The Administrator with the will annexed of said estate having rendered sinal account to this fourt.

And it is further ordered that a copy of this order be published three successive weeks previous to said day of hearing, in the Owosso. two fires from his home state.

Len Small of Kankakee, the United States subtreasurer at Chicago, is said to have been the general of the movement. Mr. Small was one of the guests at the Lincoln day banquet. He had other business than that of dispos-

had other business than that of disposing of the courses at the banquet, and is said to have wasted no opportunity to meet the Lorimer followers in the legislature and urge them to "get busy" immediately by letter of telegraph with the senior senator.

The Lorimer supporters sent their letters at once. The anti-Lorimer legislators heard of the new move and started their work, with the result that with the reconvening of the legislature every member was approached and the stream was started not only from Springfield, but from hunonly from Springfield, but from hundreds of constituents in every part of

Figures which the Springfield statesmen have secured direct from the inner circles of Washington show that the vote of Senator Cullom will settle whether Mr. Lorimer is to continue in office or be ousted. The vote, not counting that of Senator Cullom or Lorimer or the four who will not be counted on account of being either dead or absent, is figured at 43 for to 43 against.

If Cullom should vote against Lorimer and Senator Aldrich should return to his seat in time to vote, the count would be 44 to 44 and the final decision, Lorimer not voting, would be with Vice President Sherman.

However, it is not figured that Aldrich by any possibi'ity will return, so that the fate of the junior senator

Doan's Regulets cures constipation without griping, nausea, nor any weak; ening effect. Ask your druggist for them. 25 cents per box.

Bill Passed by Legislature May Be Vetoed by Gov. Carroll.

Des Moines, la., Feb. 15,-The Iowa legislature presented the state with a valentine in the shape of the Oregon plan for the election of United States senators.

The bill passed the house last week by an overwhelming vote and went through the senate by a vote of 31 to 16. Gov. Carroll may veto the bill as it is known that he looks upon the plan as demoralizing to party organi-

Itching, b'eeding, protruding or blind piles yield to Doan's Ointment Chror ic cases soon relieved, finally cured Druggists all sell it.

REID'S SON TO MARRY

Daughter of an Old Racine Family Is To Be His Bride.

Racine, Wis., Feb. 15.-Announce ment is made here of the engagement of Miss Helen Miles Rogers, daughter of an old Racine family, to the son of Whitelaw Reid, American ambassador

to England, Ogden Mills Reid Mr. Reid is a director and secretary of the Tribune association, publisher of the New York Tribune. Miss Rogers was a graduate of Barnard college, when she was engaged by Mrs. Whitelaw Reid as her secretary. Her acquaintance with young Reld thus begun ripened into the romance whose culmination will be the wedding late



FREE BOOK

For Every Living Thing on the Farm Humphreys' Veterinary Specifics.

500 Page Book free, on the Treatment and Care of Horses, Cattle, Sheep, Dogs, Hogs and Poultry, also Stable Chart to hang up, mailed free.

LIST OF SPECIFICS.

- B. B. For SPRAINS, Lameness, Rheumatism
- C. C. For SORE Throat, Epizootic, Distemper.
- D. D. For WORMS, Bots, Grube R. E. For COUGHS, Colds, Influenza
- F. F. For COLIC, Bellyache, Diarrhea. G. G. Prevents MISCARRIAGE.
- H. H. For KIDNEY and Bladder disorders I. I. For SKIN DISEASES, Mange, Eruption
- J. K. For BAD CONDITION, Indigestion.
- At draggists or sent prepaid on receipt of price. 60 cts. each.

HUMPHREYS' HOMEO, MEDICINE CO., Corn William and Ann Streets, New York

Probate Order.

State of Michigan, the Probate Court for the County of Shiawasses,
At a session of the Probate Court for the County of Shiawassee, heid at the Probate Office in the City of Corunna, on the thin day of January in the year one thousand nine number and server.

MATTHEW BUSH. Judge of Probate.

By FLORENCE LINDSEY, Probate Register.

Probate Order.

MATTHEW BUSH, Judge of Probate.



Notice to Taxpayers

The tax roll for 1910, state, county, school and special taxes is now in my hands, and I will be at the office 207 Ball street, every day from 8 a. m. till 5 o'clock, p. m. and Saturdays until 8 THOMAS M. WILEY, City Treasurer.

DETROIT

Business University 15-21 Grand River Ave. E.

would like to send you full particulars about its work and the success of its graduates. Write E. R. Shaw, Secre-

Order of Publication.

State of Michigan. The Probate Court for the County of Sniawassee, At a session of the Probate Court for said Councy, held at the Probate Office, in the City of Corunna, on Thursday, the 19th day of Janu-ary in the year one thousand nine hundred and eleven.

and eleven.

Present, Matthew Bush Judge of Probate.
In the matter of the satate of Joseph Linton deceased, on reading and filing the petition of Mrs. R. M. Budd praying that administration of said estate may be granted to the petitioner or some other suitable person.

It is ordered that the 20th day of February next, at ten o clock in the forenoon, at said Probate office, be assigned for hearing said petition.

petition.

And it is further ordered, that a copy of this order be published three successive weeks previous to said day of hearing in THE OWOSS. TIMES a newspaper printed and circulating in said County of Shiawassee.

By Florence Lindsey, Judge of Probate Probate Register.

Notice of Dissolution

State of Michigan. In the Circuit Court for

SELDEN S. MINER, Circuit Judge, KILPATRICK & PIERPONT Sol citors for Petitioaers Owosso, Mich.

Commissioners Notice

In the matter of the estate of William Spang

In the matter of the estate of William Spangier, deceased.

We, the undersigned, having been appointed by the Hon. Matthew Bush, Judge of Probate in and for the County of Shiawassee, State of Michigan, Commissioners to receive, examine and adjust all claims and demands of all persons against said estate, do hereby give notice, that we will meet at the office of L. A. Sanderhoff in the City of Owosso in said County on Tuesday, the 28th day of March, A. D. 1911, and on Monday, the 29th day of May, A. D. 1911, and on Monday the 29th day of May. A. D. 1911, are colock in the forencon of each of said days, for the purpose of receiving and adjusting all claims against said estate and that four months from the 28th day of January, A. D. 1911, are allowed to creditors to present their claims to said Commissioners for adjustment and allowance.

Dated the 28th day of January, A. D. 1911.

Dated the 28th day of January A. D. 1911.

L A. SANDERHOFF, JAMES H. LAVEROCK, Commission

Order of Publication.

State of Michi, an. the Probate Court for the County of Shiawassee.

At a session of the Probate Court for said County, held at the Probate office, in the City of Corunn on Tuesday, the Sist day of January in the year of one thousand nine hundred and Present, Matthew Bush Judge of Probate. In the matter of the estate of John H. Shaw

In the matter of the estate of John H. Shaw, a mentally incompetent person on reading and fliing the petition of Arthur Sayles as guardian praying for a license to sell real estate.

It is ordered that the 6th day of March next at ten o'clock in the forenoon, at said Probate office be assigned for hearing said petition.

And it is further ordered that a copy of this order be published three successive weeks, previous to said day of hearing, in the Owesso Times a newspaper printed and circulating in taid County of Shiawassee.

MATTHEW BUSH.

MATTHEW BUSH, Judge of Probate By FLORENCE LINDSEY, Probate Register,

Notice of Mortgage Sale.

Whereas Louis H. Baldwin and Arvilla M. Baldwin, his wife, of Corunna, made and exe

State of Michigan. In the Circuit Court for the County of Shiawssee in Chancery. In the Matter of the Voluntary Petition for the Dissolution of the Owosoo Motor Company a corporation, organized under the laws of the State of Michigan.

At a session of sed Court held at the Court House in the City of Corunna on the 5th day of December, By. 1916.

Fresont, Hoo Seden S. Miner.

On reading and filing the Petition of Willis E. Hall, Jesse O. Parker, Furris. S. Willson, Fred W. Pearce, and Edward N. Thome the officers and majority of the Board of Directors of the Owosoo Motor Company, a corporation organized under the laws of the State of Michigan, which petition prays for a dissolution of the said Owosso Motor Company.

It is ordered that all persons Interested in said corporation should not be dissolved in accordance with the prayer of said petition filed in this court, before Neil R. Walsh, one of the Circuit Court Commissioners for Shiawssee accounty at the office of Kipakrick & Pierport in the City of Owesso Motor Said Owosso Motor Company as may be submitted in relation to said matter in the City of Owesso on the 7th day of Nowshoth of the parties and take such testimony as the proportion and all other maturity perishing to such corporation.

And it is further ordered that a copy of this individual this 5th day of December, 1910.

SELDEN S. MINER, Circuit Judge, Dated Dec. 12th, 1910.

RAY ATKINSON

A. L. CHANDLER, Attorney for Assignes, Business Address, Owosso. Mich.

THE MICHIGAN FARM LAWS

FOR ALL OUR SUBSCRIBERS

EVERYBODY READ THIS!

THE MICHIGAN PARM LAWS with Business Forms and Model Business Letters, is a book for the Farmer, Landlord, Tenant, Laborer, Village Business Man, and all other persons connected with farming or living in a farming community. This book has 350 pages, is bound in good cloth and the following table of thirty-five chapters shows the wide scope of the laws it contains.

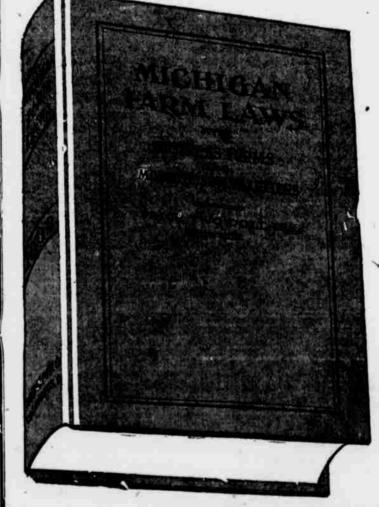


TABLE OF CHAPTERS

Animals.

Bounties, Noxious Animals.

Combinations, etc., Trust Laws. Dairy and Food Laws.

6 Descent of Property, etc.

Dower and Curtesy.

8 Drainage.

Exemption of Property, etc. Fences.

11 Fires.

12 Fruits, Fruit Trees, etc. 13 Fish Laws.

14 Game Laws. 15 Grist Mills.

16 Husband and Wife. 17 Holidays.

18 Landlord and Tenant. 19 Liens.

20 Manure and Fertilizers.

Money and Interest.

22 Offenses.

23 Promotion of Farming, etc.

Roads. 25 Sunday and Its Observance.

26 Taxation. 27 Trespass.

28 Trees and Timber. Time for Commencing Suits. Water and Water Courses.

31 Weeds.

32 Weights and Measures.

33 Wills. 34 Business Forms.

35 Model Business Letters.

THE LAW OF THE FARM

Every Chapter covers its subject completely and contains the Law as it stands in force and effect in Michigan today. All the repeals are stricken out and all amendments added. It is a complete up-to-date law of the farm. These valuable Laws and the 100 Fine Business Forms and 40 Model Business Letters all concerning farm matters makes it a book that every man needs for his own use and the education of

HOW TO OBTAIN THIS VALUABLE BOOK

The Times One Year And This Book For \$1.25.

The Farmer's Driving Horse

Before the advent of the automobile farming communities, there are often it was customary for at least one or long periods of deep snow or soft two horses of the carriage type to be roads when the horse only can be rekept on the farm to do the necessary fast road work and occasional odds

and ends of light farm jobs. The ourriage horse has already been ing such as is occasioned by physicirain to a high state of perfection than cians and business men. It is not at the heavier types. all unlikely that after the first wave. It is not an expensive matter to

tions do not prevail throughout the future.

It would seem unfortunate for the supply of driving horses to diminish materially, and it is to be hoped that the present prices for good ones will replaced to a large extent in towns continue to prevail. The farmer should and cities by motor cars. This is true put forth greater efforts to produce a of the fashionable turnout as well as good type of road horse. They are of horses used for light business drive more difficult to produce, rear and

of excitement attending the motoring rear a good horse; under proper feed craze has passed over that many, es care and management, the mare may pecially, those of liberal means, will be worked on the farm throughout alturn again to the carriage horse.

be worked on the farm throughout alturn again to the carriage horse.

on the farm throughout alturn again to the carriage horse. Though many Michigan farmers have tures well shaded and watered the procured automobiles, 't does not seem summer maintenance of the colt is possible that they can replace the not a large item of expense, and a horse throughout the entire year. Mo- good growth can be produced at modtor cars may be used in northern erate cost if care is taken to furnish cities through the entire year on nutritious feeds of the less expensive paved streets where heavy falls of sorts. It is to be hoped that the rear snow soon become packed down or the iny of good horses will continue to or excess is removed. As these condi- cupy a place on Michigan farms in the

R. S. SHAW.

AN EXCELLENT INVESTMENT.

Beautiful home grounds are an investment, just as much as good fences, good drainage, good stock and equipment, etc. They add to the value of the farm. And, too, they add to the happiness of the family, and a man's first duty to his family is to make their home arroundings comfortable and happy.